AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-12. (Cancelled)

13. (New) A power supply device comprising:

a first voltage system including at least one first generator, to which a first voltage regulator is assigned;

a battery connected to the generator and consumers switchable to the battery via an ignition switch;

a second voltage system including at least one second generator, to which a second voltage regulator is assigned, as well as switchable consumers, the second voltage regulator regulating an excitation current flowing through an excitation winding of the second generator;

a charge storage device; and

at least one connecting device for connecting the excitation winding of the second generator to the charge storage device for generating the excitation current in the excitation winding of the second generator.

14. (New) The power device according to claim 13, wherein the power supply device is in a vehicle electrical system.

15. (New) The power supply device according to claim 13, wherein the connecting device establishes a conducting connection at least temporarily between the excitation winding of the second generator and the charge storage device.

16. (New) The power supply device according to claim 13, wherein the connecting device establishes a conducting connection after actuation of the ignition switch, at least until starting of the second generator.

17. (New) The power supply device according to claim 13, wherein the connecting device is situated between the excitation winding of the second generator and the battery.

18. (New) The power supply device according to claim 17, wherein the connecting device includes a bidirectional d.c./d.c. voltage transformer.

19. (New) The power supply device according to claim 18, wherein one side of the voltage transformer is at a second generator voltage and the other side is at a first generator voltage, the voltages being different, and in a range of one of 12-14 volts and 36-42 volts.

20. (New) The power supply device according to claim 17, wherein the connecting device includes at least one diode and a resistor, an anode of the diode being connected to the battery and a cathode being connected to the excitation winding of the second generator.

21. (New) The power supply device according to claim 17, wherein the connecting device includes at least one switch, including at least one of a relay and a switching transistor.

22. (New) The power supply device according to claim 17, wherein the connecting device includes at least one sense path.

23. (New) The power supply device according to claim 13, further comprising an additional charge storage device connectable to the excitation winding of the second generator, the additional charge storage device being one of a battery, a capacitor and a SuperCap, and a connection being established after actuation of the ignition switch and maintained until the second generator has started and is supplying an output voltage.

24. (New) A method for power supply in a power supply device including at least one connecting device for connecting an excitation winding of a second generator to a charge storage device for generating an excitation current in the excitation

winding of the second generator, the at least one connecting device including at least one switch, the method comprising:

closing the switch at "ignition on" and opening the switch again after ramp up of the second generator, so that a connection is kept conductive until the second generator has started and is generating an output voltage.

25. (New) The method according to claim 24, wherein power is supplied in a vehicle electrical system.

26. (New) A method for power supply in a power supply device including at least one connecting device for connecting an excitation winding of a second generator to a charge storage device for generating an excitation current in the excitation winding of the second generator, the at least one connecting device including at least one switch, the method comprising:

keeping the switch closed and operating a first generator and the second generator in parallel for joint supply of power to one of first and second voltage systems.

27. (New) The method according to claim 26, wherein power is supplied in a vehicle electrical system.